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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Philip Dan Cook and Andrew Mamoto Kawasaki

Serial No.: N/A Group No.:

Filed: N/A Examiner:

For: **SUGAR MODIFIED OLIGONUCLEOTIDES THAT DETECT AND
MODULATE GENE EXPRESSION**Commissioner of Patents & Trademarks
Washington, DC 20231

Sir:

ASSOCIATE POWER OF ATTORNEY

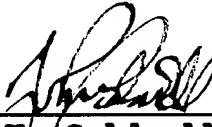
The undersigned, **John W. Caldwell**, Registration No. 28,937 of the firm **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney for Applicant(s), hereby appoints the following:

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his associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS at the above address.

Date: August 13, 1990


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